

**ABSTRACT OF THE DISCLOSURE**

A dialysis machine having

an extracorporeal blood circuit having an arterial pipe and a venous pipe respectively connected to an inlet and an outlet of a blood compartment of a filter having a blood compartment and a dialysis liquid compartment separated by a semi-permeable membrane;

means for determining a sequence of infusion of a liquid in the extracorporeal blood circuit, from at least one characteristic value ( $FF$ ,  $TMP_{ave}$ ,  $K_{uf}$ ) correlated with the concentration of the blood ( $C_E$ ) and/or a filtration efficiency of the filter; and

means for infusing the infusion solution in the arterial pipe and in the venous pipe in accordance with the determined infusion sequence.

FINNEGAN  
HENDERSON  
FARABOW  
GARRETT &  
DUNNER LLP

1300 I Street, NW  
Washington, DC 20005  
202.408.4000  
Fax 202.408.4400  
www.finnegan.com